

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P10815 PC	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/DK2004/000148	International filing date (day/month/year) 05/03/2004	(Earliest) Priority Date (day/month/year) 07/03/2003
Applicant 7TM PHARMA A/S		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☒ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/DK2004/000148

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>SCHMITT S ET AL: "A New Method to Detect Related Function Among Proteins Independent of Sequence and Fold Homology" JOURNAL OF MOLECULAR BIOLOGY, LONDON, GB, vol. 323, no. 2, 18 October 2002 (2002-10-18), pages 387-406, XP004449877 ISSN: 0022-2836</p> <p>page 388, left-hand column, paragraph 1 - page 389, left-hand column, paragraph 2 page 389, right-hand column, paragraph 4 - page 392, right-hand column, paragraph 1 page 393, right-hand column, paragraph 2 - page 395, right-hand column, paragraph 1 page 398, left-hand column, paragraph 3 - page 403, right-hand column, paragraph 1 abstract; figures 1-13</p> <p>----- -/-</p>	1-43

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

30 March 2005

Date of mailing of the international search report

03/05/2005

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/DK2004/000148

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>LAPINSH MARIS ET AL: "Classification of G-protein coupled receptors by alignment-independent extraction of principal chemical properties of primary amino acid sequences."</p> <p>PROTEIN SCIENCE: A PUBLICATION OF THE PROTEIN SOCIETY. UNITED STATES APR 2002, vol. 11, no. 4, April 2002 (2002-04), pages 795-805, XP008026362</p> <p>ISSN: 0961-8368</p>	1-6, 26, 27, 31, 38
A	<p>page 795, left-hand column, paragraph 1 -</p> <p>page 796, right-hand column, paragraph 2</p> <p>page 798, left-hand column, paragraph 2</p> <p>page 799, right-hand column, paragraph 1</p> <p>page 800, right-hand column, paragraph 2 -</p> <p>page 803, left-hand column, paragraph 2</p> <p>abstract; figures 1,2</p>	13
A	<p>-----</p> <p>US 5 436 850 A (BOWIE JAMES U ET AL)</p> <p>25 July 1995 (1995-07-25)</p> <p>column 1, line 60 - column 6, line 27</p> <p>column 14, lines 35-56</p> <p>column 15, lines 30-51</p> <p>abstract; claims 1-26; figures 1-3,7</p>	1
A	<p>-----</p> <p>FLOWER D R: "MODELLING G-PROTEIN-COUPLED RECEPTORS FOR DRUG DESIGN"</p> <p>BIOCHIMICA ET BIOPHYSICA ACTA, AMSTERDAM, NL,</p> <p>vol. 1422, no. 3,</p> <p>16 November 1999 (1999-11-16), pages 207-234, XP001077874</p> <p>ISSN: 0006-3002</p> <p>cited in the application</p> <p>page 208, left-hand column, paragraph 2 -</p> <p>page 211, right-hand column, paragraph 2</p> <p>page 212, right-hand column, paragraph 2 -</p> <p>page 214, left-hand column, paragraph 1</p> <p>page 215, right-hand column, paragraph 2</p> <p>page 216, left-hand column, paragraph 4</p> <p>page 217, right-hand column, paragraph 2</p> <p>page 219, left-hand column, paragraph 4 -</p> <p>page 220, right-hand column, paragraph 1</p> <p>page 222, left-hand column, paragraph 3 -</p> <p>right-hand column, paragraph 2</p> <p>page 223, right-hand column, paragraph 1</p> <p>page 225, left-hand column, paragraph 6 -</p> <p>page 226, left-hand column, paragraph 1</p> <p>page 227, left-hand column, paragraph 1</p> <p>page 227, right-hand column, paragraph 3 -</p> <p>page 228, right-hand column, paragraph 2</p> <p>page 229, left-hand column, paragraph 2</p> <p>figures 1,2,5,8,9</p> <p>-----</p>	1, 9, 10, 13, 20-22, 40-43

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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 818 744 A (PROTEUS MOLECULAR DESIGN) 14 January 1998 (1998-01-14) the whole document -----	9-11, 39-41

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DK2004/000148

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5436850	A	25-07-1995	AU WO	2408292 A 9301484 A2	11-02-1993 21-01-1993
EP 0818744	A	14-01-1998	EP	0818744 A2	14-01-1998